

# Schematized Trust in NDN-RIOT

- With NDN-RIOT, we are able to do basic signature signing and verification. However, to achieve trust and more fine-grained authentication, schematized trust is required in IoT scenarios.
- Goal: A simplified version of trust schema in NDN-RIOT
  - Use pre-defined rules instead of manually configured rules as the default trust policy to minimize the human interactions
    - E.g., some pre-defined rules: Controller Only, Same First n Prefix Only, Signature Only
  - Make schematized trust configuration a service accessible to system controller only: controller can configure the trust policies of a device
    - E.g., Add one or a set of prefixes/devices into the authorized list to a service provided by the device
- Requirement: C coding skills